Message

From: Smith, Brian [Smith.Brian@epa.gov]
Sent: 12/11/2019 5:20:45 PM
To: Gettle, Jeaneanne [Gettle.Jeaneanne@epa.gov]
CC: Allenbach, Becky [Allenbach.Becky@epa.gov]; Zapata, Cesar [Zapata.Cesar@epa.gov]; Campbell-Dunbar, Shawneille [Campbell-Dunbar.Shawneille@epa.gov]; Hesterlee, Craig [Hesterlee.Craig@epa.gov]; Thomas, Chris [Thomas.Chris@epa.gov]; Shell, Karrie-Jo [Shell.Karrie-Jo@epa.gov]; Smith, Dominique [smith.dominique@epa.gov]; Hall, Renea [Hall.Renea@epa.gov]
Subject: PFAS Coosa sampling update for conversation with RA
Attachments: 19-0457_PFAS_Sediment_Screening_Final_Report.pdf; 19-0457_PFAS_Sediment_Screening_Final_Report_Transmittal_Memorandum.pdf

Hi Jeaneanne,
We have the final report from the Coosa PFAS sampling . LSASD is still working on the Chattooga report and expects to finalize it in late January. We will prepared to brief you on the Coosa report next week. Some key findings:

- Levels of PFOA/PFOS in surface water were as high as 280ppt (downstream of Loopers Bend), however higher concentrations of short-chain compounds were detected in the surface water.
- The longer chain compounds were found to be more prevalent in the sediment.
- More PFAS compounds were detected in sediment samples compared to surface water samples. In addition to surface water contributions, migration of sediment will continue to be a source of PFAS to Weiss Lake.

You can see more technical detail below.

With the Coosa report being final, I would like to share it with EPD and ADEM. For your discussion with Mary, we would like to know if she has a preference for how the report is shared with the states. We could send a copy of the report to the states sooner rather than later. Alternatively WD and LSASD could plan to meet with the states to give some perspective on what conclusions can be drawn from the data and what cannot. Given Mary will be out for some time, is she comfortable with WD and LSASD meeting with the states to discuss the findings of the report?

Brian Smith, P.E.
Chief, Safe Drinking Water Branch | Water Division | U.S. EPA, Region 4 | 404-562-9845

From: Hall, Renea <Hall.Renea@epa.gov>
Sent: Wednesday, December 11, 2019 11:20 AM
To: Smith, Brian <Smith.Brian@epa.gov>
Cc: Campbell-Dunbar, Shawneille <Campbell-Dunbar.Shawneille@epa.gov>; Smith, Dominique <smith.dominique@epa.gov>
Subject: FW: 19-0457 PFAS Coosa River Basin Final Report

Brian,

Here's a few sentences summarizing the most recent study.

This study analyzed 25 PFAS Compounds from co-located sediment and surface water samples at 8 sites throughout the Conasauga, Oostanaula and Coosa River watersheds. Among the surface water samples, 9-distinct PFAS compounds were identified with short-chain compounds more prevalent in the surface water. Downstream of the Loopers Bend LAS in the Conasauga River, the highest single PFAS analytes were PFBS and PFPeA detected at 400 ppt and 180 ppt, respectively; the highest combined concentration of PFOA and PFOS was noted at 280 ppt.

The retention of PFAS compounds in sediment was greatly impacted by the presence of total organic carbon, carbon chain-length and classification of PFAS compounds. This led to greater diversification of PFAS compounds among the

sediment samples compared to surface water samples; 16-distinct PFAS compounds were detected in the sediment samples. Longer-chain compounds were more prevalent in sediment samples with PFOS being the highest single PFAS analyte found at 15,000 ppt (dry) and the combined concentration of PFOA and PFOS at 16,100ppt (dry) downstream of Loopers Bend LAS in the Conasauga River.

From: Deatrick, John <Deatrick.John@epa.gov>
Sent: Friday, December 6, 2019 7:22 AM
To: Smith, Brian <Smith.Brian@epa.gov>
Cc: Allenbach, Becky <Allenbach.Becky@epa.gov>; Campbell-Dunbar, Shawneille <Campbell-Dunbar.Shawneille@epa.gov>; Hall, Renea <Hall.Renea@epa.gov>; Barlet, Nathan <barlet.nathan@epa.gov>; Box, Stacey <Box.Stacey@epa.gov>
Subject: FW: 19-0457 PFAS Coosa River Basin Final Report

Brian,

Attached is the final report for the PFAS assessment of the Coosa Basin. Hopefully this report and the 11/22 briefing provide all the information you need, but please feel free to call if you need more information and would like additional briefing. We appreciate the opportunity to work with you on this important project.

Thanks,

John

From: Barlet, Nathan <barlet.nathan@epa.gov>
Sent: Thursday, December 05, 2019 5:12 PM
To: Box, Stacey <Box.Stacey@epa.gov>; Deatrick, John <Deatrick.John@epa.gov>
Subject: 19-0457 PFAS Coosa River Basin Final Report

Hello Stacey and John,

Please see attached for electronic copies of the Final Report and Transmittal Memorandum for the study titled "Assessment of Resuspended Sediments as a Source of PFAS to the Upper Coosa River Basin," LSASD Project Number 19-0457. A hard copy is being mailed to Brian Smith. Please let me know if you have any questions.

All the best!

Nate

Nathan T. Barlet
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